

In the Specification:

The Applicant has amended the specification to provide minor grammatical corrections. Such grammatical corrections do not add any new subject matter to the application.

✓  
Please amend the paragraph beginning on line 8 of page 3 as follows:

q1  
Each transmitted neighbor discovery message includes a list of neighbor nodes that are identified as being in a heard state and a list of ~~neighboring~~ neighbor nodes that are identified as being in a lost state. Each transmitted neighbor discovery message can also include a list of ~~neighboring~~ neighbor nodes that are identified as being in a symmetric state.

Please amend the paragraph beginning on line 11 of page 3 as follows:

q2  
In another aspect, the invention features a network that comprises a node. The node (i) receives from a neighbor node a neighbor discovery message, (ii) periodically transmits a predetermined number of neighbor discovery messages that each ~~include~~ includes an identity of the neighbor node in response to the received neighbor discovery message, and (iii) after transmitting the predetermined number of neighbor discovery messages, transmits neighbor discovery messages that omit the identity of the neighbor node until another neighbor discovery message is received from the neighbor node that indicates a change in a communications state associated with the neighbor node.

Please amend the paragraph beginning on line 1 of page 9 as follows:

q3  
Each broadcast link connecting multiple nodes 18 is mapped into multiple point-to-point bi-directional links. For example, a pair of nodes 18 is considered to have established a bi-directional link 48, if each node 18 can reliably receive messages from the other. For example, IP host A 12 and node B 14 have established a bi-directional

93 link 24 if and only if IP host A 12 can receive messages sent from node B 14 and node B 14 can receive messages sent from IP host A 12 at a given instant in time. Nodes 18 that have established a bi-directional link are considered to be adjacent (i.e., neighboring nodes). Such a bi-directional link 24 between the two nodes A and B is represented by a pair of unidirectional links (A, B) and (B, A). Each link has at least one positive cost (or metric) that can vary in time, and for any given cost, such cost for the link (A, B) may be different from that for the link (B, A). Any technique for assigning costs to links can be used to practice the invention. For example, the cost of a link can be one, for minimum-hop routing, or the link delay plus a constant bias.

---

Please amend the paragraph beginning on line 18 of page 13 as follows:

---

94 The network layer 62 is the protocol layer responsible for assuring that packets arrive at their proper destination. Some of the mobile ad hoc extensions for the Internet 30 described herein operate at the network layer 62, such as the TBRPF protocol 58 and the OPv6-IPv4 compatibility address format, described in more detail below. Embodiments that redirect communications from foreign subnets to home subnets also use hand-off mechanisms such as Mobile IP, which operate at the network layer 62. At the transport layer 70, other mobile ad hoc extensions to the Internet 30 are implemented, such as techniques for updating communications upon restoring connections between nodes and for adaptively using the network bandwidth.

---

Please amend the paragraph on line 12 of page 64 as follows:

---

95 Globally Unique IPv4 Addresses ~~without~~ with Privacy Concerns

---